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**From:** Thomas, Russell [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=12F119E7A3EE447499F3D6AB5D20DAEB-THOMAS, RUS]  
**Sent:** 10/5/2016 3:01:25 PM  
**To:** Cogliano, Vincent [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51f2736376ac4d32bad2fe7cfef2886b-Cogliano, Vincent]; Bahadori, Tina [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7da7967dcafb4c5bbc39c666fee31ec3-Bahadori, Tina]; Ross, Mary [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=98359cd1f66f46ec91d327e99a3c6909-Ross, Mary]; Deener, Kathleen [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b9a2ff1c086249ea8f6414afde8a5e54-Deener, Kathleen]; Burke, Thomas [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=39ffc3dd34ea495b9a31e61b778fbbec-Burke, Thom]; Kavlock, Robert [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=eebac67f01094409a7fdaa955a837884-Kavlock, Robert]; Slimak, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=197d6551afaf4d90b087c4d5bf62b53c-Slimak, Mike]; Flowers, Lynn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]; Gwinn, Maureen [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=4bdc5237a5c440a7b664518e23eb5647-Gwinn, Maureen]; Vandenberg, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dcae2b98a04540fb8d099f9d4dead690-Vandenberg, John]  
**Subject:** RE: Innovations In Chemical Risk Assessment Weekly Meeting  
**Attachments:** Theoretical Framework 092916 MR RST.docx

All,

Apologies for missing the deadline yesterday. I was traveling home from Mexico.

# Deliberative Process / Ex. 5

Rusty

**From:** Cogliano, Vincent

**Sent:** Wednesday, October 05, 2016 12:20 AM

**To:** Bahadori, Tina <Bahadori.Tina@epa.gov>; Ross, Mary <Ross.Mary@epa.gov>; Deener, Kathleen <Deener.Kathleen@epa.gov>; Burke, Thomas <Burke.Thomas@epa.gov>; Kavlock, Robert <Kavlock.Robert@epa.gov>; Slimak, Michael <Slimak.Michael@epa.gov>; Thomas, Russell <Thomas.Russell@epa.gov>; Flowers, Lynn <Flowers.Lynn@epa.gov>; Gwinn, Maureen <gwinn.maureen@epa.gov>; Vandenberg, John <Vandenberg.John@epa.gov>

**Subject:** Re: Innovations In Chemical Risk Assessment Weekly Meeting

Hello everyone--Some key messages:

# Deliberative Process / Ex. 5

I'll miss the meeting this week. Best wishes for continued progress,  
Vince

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**From:** Bahadori, Tina

**Sent:** Tuesday, October 4, 2016 7:15:08 PM

**To:** Ross, Mary; Deener, Kathleen; Burke, Thomas; Kavlock, Robert; Cogliano, Vincent; Slimak, Michael; Thomas, Russell; Flowers, Lynn; Gwinn, Maureen; Vandenberg, John

**Subject:** RE: Innovations In Chemical Risk Assessment Weekly Meeting

Hi Everyone:

# Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

## Deliberative Process / Ex. 5

Tina

**From:** Ross, Mary

**Sent:** Sunday, October 02, 2016 7:17 PM

**To:** Deener, Kathleen <[Deener.Kathleen@epa.gov](mailto:Deener.Kathleen@epa.gov)>; Burke, Thomas <[Burke.Thomas@epa.gov](mailto:Burke.Thomas@epa.gov)>; Kavlock, Robert <[Kavlock.Robert@epa.gov](mailto:Kavlock.Robert@epa.gov)>; Cogliano, Vincent <[cogliano.vincent@epa.gov](mailto:cogliano.vincent@epa.gov)>; Slimak, Michael <[Slimak.Michael@epa.gov](mailto:Slimak.Michael@epa.gov)>; Thomas, Russell <[Thomas.Russell@epa.gov](mailto:Thomas.Russell@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Flowers, Lynn <[Flowers.Lynn@epa.gov](mailto:Flowers.Lynn@epa.gov)>; Gwinn, Maureen <[gwinn.maureen@epa.gov](mailto:gwinn.maureen@epa.gov)>; Vandenberg, John <[Vandenberg.John@epa.gov](mailto:Vandenberg.John@epa.gov)>

**Subject:** Re: Innovations In Chemical Risk Assessment Weekly Meeting

Hi everyone. I wanted to get a head start and do my homework over the weekend, so I'll forward what I have as key messages here. They are a little boring, I'm afraid, but I'll share hoping it's a starting point for others to make more interesting. I don't have comments on the table yet, but will look at it soon.

# Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

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**From:** Deener, Kathleen

**Sent:** Friday, September 30, 2016 11:21 AM

**To:** Burke, Thomas; Kavlock, Robert; Cogliano, Vincent; Slimak, Michael; Thomas, Russell; Bahadori, Tina; Flowers, Lynn; Gwinn, Maureen; Ross, Mary; Vandenberg, John

**Subject:** RE: Innovations In Chemical Risk Assessment Weekly Meeting

Attached are two documents for your review:

1. The general attributes table (with an updated title to reflect a portfolio approach to risk assessment)
2. An updated (and very concise) outline for the paper (also reflecting the title change)

Action items before our next meeting (**DUE BY COB TUESDAY OCT. 4**) are:

1. Review the table and flag anything that doesn't make sense or that raises a concern
2. Send the 5 key messages that you think the paper should deliver (what are the 5 main take away messages you want someone to have after reading the paper)

Thanks,

Kacee Deener, MPH

Senior Science Advisor

Office of Research and Development

(ph) 202.564.1990 | (mobile) Personal Matters / Ex. 6

[deener.kathleen@epa.gov](mailto:deener.kathleen@epa.gov)

-----Original Appointment-----

**From:** Gentry, Nathan **On Behalf Of** Burke, Thomas

**Sent:** Tuesday, June 28, 2016 12:10 PM

**To:** Burke, Thomas; Kavlock, Robert; Cogliano, Vincent; Slimak, Michael; Thomas, Russell; Bahadori, Tina; Deener, Kathleen; Flowers, Lynn; Gwinn, Maureen; Ross, Mary; Vandenberg, John

**Subject:** Innovations In Chemical Risk Assessment Weekly Meeting

**When:** Thursday, October 06, 2016 2:00 PM-3:00 PM (UTC-05:00) Eastern Time (US & Canada).

**Where:** 41209 RRB; Call-in: Personal Matters / Ex. 6 code: Personal Matters / Ex. 6